

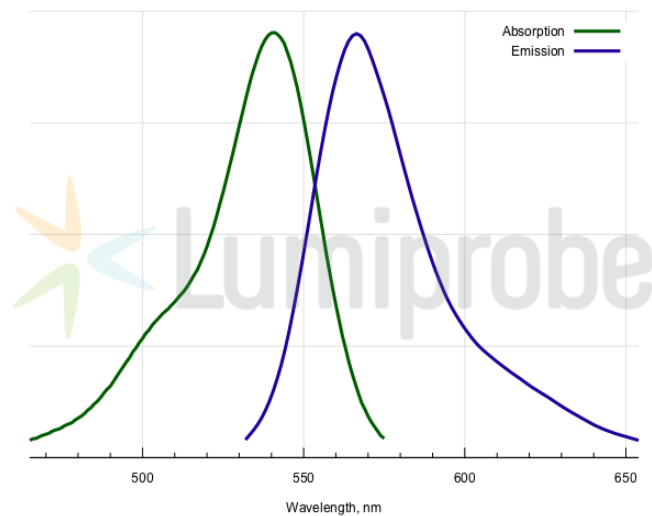
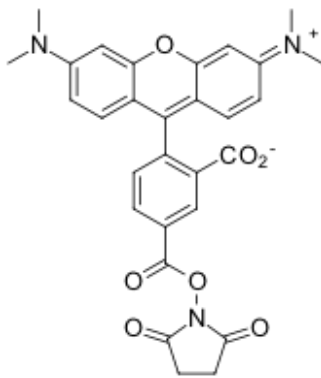
TAMRA NHS ester, 5-isomer

<http://de.lumiprobe.com/p/tamra-nhs-ester-5>

TAMRA (tetramethylrhodamine) is a xanthene dye of rhodamine series. This fluorophore is being used for quite a long time for the preparation of dual labeled qPCR TaqMan oligonucleotide probes containing TAMRA and fluorescein (FAM).

Just like many other xanthene fluorophores, TAMRA is available as two isomers (5- and 6-isomer) which have nearly identical optical properties. This product is an isomerically pure 5-TAMRA.

TAMRA NHS is an amine reactive reagent. It can be used for the labeling of proteins, peptides, and modified oligonucleotides containing amine groups.



Allgemeine Eigenschaften

Erscheinungsform:	
Molekülmasse:	527.53
CAS-Nummer:	321862-17-3
Molekülformel:	C ₂₉ H ₂₅ N ₃ O ₇
IUPAC-Name:	(2,5-dioxopyrrolidin-1-yl) 3',6'-bis(dimethylamino)-3-oxospiro[2-benzofuran-1,9'-xanthene]-5-carboxylate
Löslichkeit:	
Qualitätskontrolle:	NMR ¹ H, HPLC-MS (95%)
Lagerungsbedingungen:	Lagerung: 12 Monate nach Wareneingang bei -20°C im Dunkeln. Transport: bei Raumtemperatur für bis zu 3 Wochen. Längere Lichteinwirkung vermeiden. Trocken lagern.

Spektrale Eigenschaften

Anregungs-/Absorptionsmaximum / nm:	541
ε / L·mol ⁻¹ ·cm ⁻¹ :	84000
Emissionsmaximum / nm:	567
Fluoreszenz-Quantenausbeute:	0.1
CF ₂₆₀ :	0.32
CF ₂₈₀ :	0.19